

8EHQ-0245-13320

**MPA**

METHACRYLATE PRODUCERS ASSOCIATION

1100 NEW YORK AVENUE, N.W., SUITE 1090, WASHINGTON, D.C. 20005 • (202) 414-4100 • FAX (202) 289-8584

February 3, 1995 - via messenger

**ORIGINAL**



**Contains No CBI**

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Document Processing Center (TS-790)  
Attn: TSCA Section 8(e) Coordinator  
Office of Pollution Prevention and Toxics  
Environmental Protection Agency  
401 M Street, SW  
Washington, DC 20460

Re: Notice in accordance with Section 8(e) - Preliminary Results of Algal Toxicity Studies with lauryl methacrylate, isobutyl methacrylate and ethyl methacrylate.

Dear Sir/Madam:

The Methacrylate Producers Association (MPA) is submitting preliminary results from acute algal toxicity studies with lauryl methacrylate (CAS No. 142-90-5), isobutyl methacrylate (CAS No. 97-86-9) and ethyl methacrylate (CAS No. 97-63-2). These studies do not involve effects in humans. This submission is being made on behalf of MPA's member companies: CYRO Industries, Elf Atochem N.A., Inc., ICI Americas, and Rohm & Haas Company.

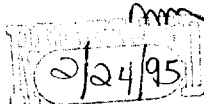
The following is a summary of the findings observed in the studies. Isobutyl and ethyl methacrylate nominal concentrations of 0.1-1.0 mg/l resulted in a 40-60% reduction of *Selenastrum capricornutum* algae cell numbers within a **closed-bottle test** system. A 90% reduction in *Selenastrum capricornutum* cell numbers was observed in the **closed-bottle test** with lauryl methacrylate at a nominal concentration of 0.1 mg/l.

It is the opinion of MPA that the early findings in these **closed-bottle studies**, conducted as part of a preliminary evaluation of the materials, does not necessarily support a conclusion of substantial environmental risk, but are being submitted in response to the EPA 8(e) reporting requirements. MPA believes that the **closed-bottle test** design does not represent a "real world scenario" for these materials and rather the open-bottle tests, if technically feasible, will be considered for definitive evaluation.

These data do not include any Confidential Business Information. The studies are currently ongoing and the agency will receive copies of the final reports as soon as they become available. If you have any questions about this submission, please contact me at (202) 414-4145.

Sincerely,

Elizabeth K. Hunt  
Executive Director



cc: MPA

CECATS DATA: Submission # BEHQ- 0295 - 13320 SEQ. A

TYPE: INT SUPP FLWP

SUBMITTER NAME: Methacrylate Producers

Association

INFORMATION REQUESTED: FLWP DATE:

0501 NO INFO REQUESTED

0502 INFO REQUESTED (TECH)

0503 INFO REQUESTED (VOL ACTIONS)

0504 INFO REQUESTED (REPORTING RATIONALE)

DISPOSITION:

0639 REFER TO CHEMICAL SCREENING

0678 CAP NOTICE

SUB DATE: 02/03/95

OTS DATE: 02/03/95

CSRAD DATE: 02/24/95

CHEMICAL NAME:

CASE#

142-90-5

97-86-9

97-63-2

## VOLUNTARY ACTIONS:

0401 NO ACTION REPORTED

0402 STUDIES PLANNED/IN HWAY

0403 NOTIFICATION OF WORKING METHODS

0404 LABEL/MSDS CHANGES

0405 PROCESS/ANALYSIS CHANGES

0406 APP/USE DISCONTINUED

0407 PRODUCTION DISCONTINUED

0408 CONFIDENTIAL

## INFORMATION TYPE:

0201 ONCO (HUMAN)

0202 ONCO (ANIMAL)

0203 CELL TRANS (IN VITRO)

0204 MUTA (IN VITRO)

0205 MUTA (IN VIVO)

0206 REPRO/TERATO (HUMAN)

0207 REPRO/TERATO (ANIMAL)

0208 NEURO (HUMAN)

0209 NEURO (ANIMAL)

0210 ACUTE TOX. (HUMAN)

0211 CHR. TOX. (HUMAN)

0212 ACUTE TOX. (ANIMAL)

0213 SUB ACUTE TOX (ANIMAL)

0214 SUB CHRONIC TOX (ANIMAL)

0215 CHRONIC TOX (ANIMAL)

## INFORMATION TYPE:

0216 EPI/CLIN

0217 HUMAN EXPOS (PROD CONTAM)

0218 HUMAN EXPOS (ACCIDENTAL)

0219 HUMAN EXPOS (MONITORING)

0220 ECO/AQUA TOX

0221 ENV. OCCURRENCE/FATE

0222 EMER INCI OF ENV CONTAM

0223 RESPONSE REQUEST DELAY

0224 PROD/COMP/CHEM ID

0225 REPORTING RATIONALE

0226 CONFIDENTIAL

0227 ALLERG (HUMAN)

0228 ALLERG (ANIMAL)

0229 METAB/PHARMACO (ANIMAL)

0240 METAB/PHARMACO (HUMAN)

## P F C

01 02 04

01 02 04

01 02 04

01 02 04

01 02 04

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01 02 04

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01 02 04

01 02 04

01 02 04

01 02 04

01 02 04

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01 02 04

## INFORMATION TYPE:

0241 IMMUNO (ANIMAL)

0242 IMMUNO (HUMAN)

0243 CHEM/PHYS PROP

0244 CLASTO (IN VITRO)

0245 CLASTO (ANIMAL)

0246 CLASTO (HUMAN)

0247 DNA DAM/REPAIR

0248 PROD/USE/PROC

0251 MSDS

0299 OTHER

## P F C

01 02 04

01 02 04

01 02 04

01 02 04

01 02 04

01 02 04

01 02 04

01 02 04

01 02 04

01 02 04

## TRIAGE DATA: NON-CBI INVENTORY

YES

NO

IN IN MINI

## ONGOING REVIEW

YES (DROP/REFER)

NO (CONTINUE)

REFR

## SPECIES

Base

## TOXICOLOGICAL CONCERN:

LOW

MED

HIGH

## USE:

## PRODUCTION:

CAS SR

11-24-95

# Tox Concern

ID  
13320A-01

AQUATO

ND

LAURYL METHACRYLATE

## COMMENT

AQUATIC TOXICITY TO GREEN ALGAE, *S. CAPRICORNUTUM* WAS NOT DETERMINED. THERE WAS A 90% REDUCTION IN CELL NUMBERS AT NOMINAL CONCENTRATIONS OF 0.1 PPM.

# Tox Concern

ID  
13320A-02

AQUATO

ND

ISOBUTYL METHACRYLATE

## COMMENT

AQUATIC TOXICITY IS GREEN ALGAE, *S. CAPRICORNUTUM*, WAS NOT DETERMINED.  
THERE WAS A 40-60% REDUCTION IN CELL NUMBERS AT NOMINAL  
CONCENTRATIONS OF 0.1-1.0 PPM.

# Tox Concern

ID  
13320A-03

AQUATO

ND

ETHYL METHACRYLATE

## COMMENT

AQUATIC TOXICITY TO GREEN ALGAE, *S. CAPRICORNUTUM*, WAS NOT DETERMINED. THERE WAS A 40-60% REDUCTIONS IN CELL NUMBERS AT NOMINAL CONCENTRATIONS OF 0.1-1.0 PPM.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

Elizabeth K. Hunt  
Executive Director  
Methacrylate Producers Association (MPA)  
1100 New York Avenue, NW  
Suite 1090  
Washington D.C. 20005

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

APR 10 1995

EPA acknowledges the receipt of information submitted by your organization under Section 8(e) of the Toxic Substances Control Act (TSCA). For your reference, copies of the first page(s) of your submission(s) are enclosed and display the TSCA §8(e) Document Control Number (e.g., 8EHQ-00-0000) assigned by EPA to your submission(s). Please cite the assigned 8(e) number when submitting follow-up or supplemental information and refer to the reverse side of this page for "EPA Information Requests".

All TSCA 8(e) submissions are placed in the public files unless confidentiality is claimed according to the procedures outlined in Part X of EPA's TSCA §8(e) policy statement (43 FR 11110, March 16, 1978). Confidential submissions received pursuant to the TSCA §8(e) Compliance Audit Program (CAP) should already contain information supporting confidentiality claims. This information is required and should be submitted if not done so previously. To substantiate claims, submit responses to the questions in the enclosure "Support Information for Confidentiality Claims". This same enclosure is used to support confidentiality claims for non-CAP submissions.

Please address any further correspondence with the Agency related to this TSCA 8(e) submission to:

Document Processing Center (7407)  
Attn: TSCA Section 8(e) Coordinator  
Office of Pollution Prevention and Toxics  
U.S. Environmental Protection Agency  
Washington, D.C. 20460-0001

EPA looks forward to continued cooperation with your organization in its ongoing efforts to evaluate and manage potential risks posed by chemicals to health and the environment.

Sincerely,

*Terry R. O'Bryan*

Terry R. O'Bryan  
Risk Analysis Branch

Enclosure

133 20A



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## EPA INFORMATION REQUESTS

Document ID: 8EHQ-0295-13320

### EPA requests:

1. ☐ No additional information at this time.
2. ☐ Additional information or clarification on
3. ☒ A full copy of the final report (including the actual experimental protocol, applicable results of gross or histopathologic examinations, data, results of any statistical analyses, etc.) from each study mentioned in your submission.
4. ☐ A description of all voluntary actions taken by your company in response to the findings indicated in your submission.
5. ☐ A complete copy of the current and/or revised Material Safety Data Sheets and labels for the following chemical(s) listed in your submission:  

_____	_____
_____	_____
_____	_____
6. ☐

Please direct questions regarding these requests to Mr. Terry O'Bryan (202-260-3483) or Mr. John Myers (202-260-3543) of the OPPT Risk Analysis Branch.

### Triage of 8(e) Submissions

Date sent to triage: APR 19 1995

NON-CAP

CAP

Submission number: 13320A

TSCA Inventory: Y N D

Study type (circle appropriate):

Group 1 - Dick Clements (1 copy total)

ECO

AQUATO

Group 2 - Ernie Falke (1 copy total)

ATOX

SBTOX

SEN

w/NEUR

Group 3 - Elizabeth Margosches (1 copy each)

STOX

CTOX

EPI

RTOX

GTOX

STOX/ONCO

CTOX/ONCO

IMMUNO

CYTO

NEUR

Other (FATE, EXPO, MET, etc.): \_\_\_\_\_

Notes:

**THIS IS THE ORIGINAL 8(e) SUBMISSION; PLEASE REFILE AFTER TRIAGE DATABASE ENTRY**

#### For Contractor Use Only

entire document: 0

1

2

pages

1

pages

1

Notes:

Contractor reviewer : PRR

Date: 4/3/95